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**REMARKS**

The Office Action dated October 5, 2006, was carefully reviewed. Claims 13, 14 and 18 have been amended. Claims 1-4 have been allowed. Claims 20-22 are objected to as being dependent upon rejected claim 19. It is respectfully requested the Examiner reconsider the present application in light of the amendments and remarks herein.

The Examiner rejected claims 14 and 18 under 35 U.S.C. § 112 as being indefinite. The claims have been amended as suggested by the Examiner and it is respectfully requested the Examiner withdraw the rejection under 35 U.S.C. § 112.

The Examiner rejected claims 13-17 and 19 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,876,926 to Kirkland et al., hereinafter Kirkland.

Independent claims 13 and 19 of the present invention require generating vehicle dynamic signals that are processed by a controller in order to generate a vehicle frame signal that is a function of the vehicle dynamic signals. The Kirkland reference merely discloses determining a reference frame from various signals.

In addition, amended claim 13 and independent claim 19 of the present invention also require the vehicle frame signal is used to generate a dynamic control signal and control a safety device in response to the dynamic control signal. The Kirkland reference does not disclose generating a dynamic control signal in response to the vehicle frame signal, nor does it disclose controlling a vehicle safety device in response to the dynamic control signal as claimed in claim 19 of the present invention. The Kirkland reference individually processes and then correlates sensor signals to establish a frame of reference, but fails to teach or disclose using the frame of reference to generate a dynamic control signal that is used to control a vehicle safety device. It is respectfully asserted that the Kirkland reference does not anticipate the present invention, which generates signals from a plurality of sensors in order to generate a vehicle frame signal as a function of the vehicle dynamic signals. The present invention generates a dynamic control signal in response to the vehicle frame signal and reference signals that is used to control vehicle safety device.

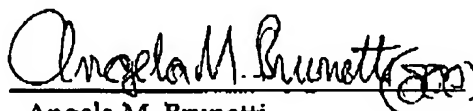
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It is respectfully requested the Examiner reconsider the present invention in light of the amendments and remarks herein, withdraw the rejections under 35 U.S.C. § 112 and § 102, and that a formal Notice of Allowance be issued for claims 1-4 and 13-22. Should the Examiner have any questions, comments or suggestions that may place the claims into better condition for allowance, he is respectfully requested to contact the undersigned attorney.

Respectfully submitted,



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